WIRELESS HEART RATE MONITOR WITH INFRARED DETECTING MODULE

ABSTRACT OF THE DISCLOSURE

A wireless heart rate monitor includes a main body in which an infrared detecting module and a radio frequency transmitter are fixed and a separate radio frequency receiver is positioned at a remote site from the main body. The infrared detecting module includes an infrared transmitter and an infrared receiver, which cooperate together to detect the pulsing condition of a person when the main body is positioned on a suitable location of the user's skin and generates a heartbeat signal associated with the pulsing condition. The heartbeat signal is transmitted as a radio frequency signal by the radio frequency transmitter and the radio frequency signal is received by the radio frequency receiver and processed by a microprocessor based device to generate a display signal that is then displayed on a display for visual observation by the user or other persons. The location of the radio frequency receiver is not subject to any limitation as long as it is located within a transmission range of the radio frequency transmitter whereby the radio frequency receiver can be worn on the wrist of the user or mounted on fitness equipment by which the user is taking exercise.